



#6/I.D.S

PATENT
Docket No. 6311.N

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Brian J. Stockman)
Serial No.: 09/829,872)
Confirmation No.: 7416)
Filed: April 10, 2001)
For: NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING
SITES IN PAPILLOMAVIRUS E2 PROTEIN)

Group Art Unit: 1631
Examiner: M. Borin

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

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Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

Information Disclosure Statement

Page 2 of 2

Applicant(s): *Brian J. Stockman*

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For: *NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING SITES IN PAPILLOMAVIRUS E2 PROTEIN*

The Examiner is invited to contact Applicant's Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202, on this 17 day of **JANUARY, 2003.**


Loren D. Albin

Respectfully submitted for

Brian J. Stockman

By

Mueiting, Raasch & Gebhardt, P.A.

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Minneapolis, MN 55458-1415

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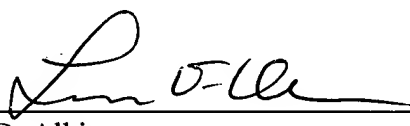
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26813

PATENT TRADEMARK OFFICE

January 17, 2003
Date

By: 
Loren D. Albin
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Direct Dial (612)305-1225

1631

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Brian J. Stockman

Group Art Unit: 1631

Serial No.: 09/829,872

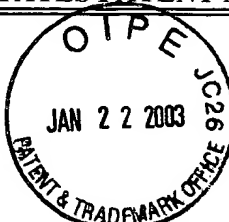
Examiner: M. Borin

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Title: NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING SITES IN
PAPILLOMAVIRUS E2 PROTEIN

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Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
☐ A Petition for Extension of Time for ___ month(s) and a check in the amount of \$___ for the required fee.
☒ An Information Disclosure Statement (2 pgs); 1449 forms (2 pgs); and copies of 13 documents cited in the 1449 forms.
☐ A check in the amount of \$___, for _____.
☐ A certified copy of a ___ application, Serial No. __, filed _____, the right of priority of which is claimed under 35 U.S.C. §119.
☐ Other: _____
☐ Amendment ☐ No Additional fee is required. ☐ The fee has been calculated as shown:

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Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202, on this 17 day of JANUARY, 2003.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813



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PATENT TRADEMARK OFFICE

By:

Name: Loren D. Albin

Reg. No.: 37,763

Direct Dial: 612-305-1225

Facsimile: 612-305-1228

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)

**INFORMATION
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Atty. Docket No.: 6311.N

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	NONE					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
	NONE					

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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Dalvit et al., "Sensitivity-improved detection of protein hydration and its extension to the assignment of fast-exchanging resonances," <i>J. Magn. Reson. B</i> , 109:334-338 (1995).
	Dalvit, "Homonuclear 1D and 2D NMR Experiments for the Observation of Solvent-Solute Interactions," <i>J Magn Reson B</i> . 1996 Sep;112(3):282-288.
	Dalvit et al., "Half-filter experiments for assignment, structure determination and hydration analysis of unlabelled ligands bound to ¹³ C/ ¹⁵ N labelled proteins," <i>J. Biomol. NMR</i> , 13:43-50 (1999).
	Hajduk et al., "Integration of NMR and high-throughput screening," <i>Comb Chem High Throughput Screen</i> , Dec;5(8):613-621 (2002).
	Hwang et al., "Water suppression that works. Excitation sculpting using arbitrary waveforms and pulsed field gradients," <i>J. Magn. Reson. A</i> 112:275-279 (1995).
	Kallen et al., "Structural basis for LFA-1 inhibition upon lovastatin binding to the CD11a I-domain," <i>J. Mol. Biol.</i> , 292:1-9 (1999).
	Melacini et al., "Band-selective editing of exchange-relay in protein-water NOE experiments," <i>J. Biomol. NMR</i> , 13:67-71 (1999).

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EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Melacini et al., "Water-macromolecule interactions by NMR: a quadrature-free constant-time approach and its application to C12," <i>J. Biomol. NMR</i> , 15:189-201 (1999).
	Otting et al., "Studies of protein hydration in aqueous solution by direct NMR observation of individual protein-bound water molecules," <i>J. Am. Chem. Soc.</i> , 111:1871-1875 (1989)
	Otting et al., "Protein hydration in aqueous solution," <i>Science</i> , 254(5034): 974-980 (1991).
	Otting, "NMR studies of water bound biological molecules," <i>Progr. NMR Spectrosc.</i> , 31:259-285 (1997).
	Price, "Water signal suppression in NMR spectroscopy," <i>Annual Reports on NMR Spectroscopy</i> (Ed., Webb, A.), Academic Press, New York, vol. 38, pp. 289-354 (1999).
	Sobol et al., "Solvent magnetization artifacts in high-field NMR studies of macromolecular hydration," <i>J Magn Reson.</i> 1998 Feb;130(2):262-271.

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